

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for creating a three-dimensional engraving, comprising the steps of:

providing a three-dimensional solid having a specified shape and size;

scanning, into a processor driven and numerically controlled machining center, data corresponding to a three-dimensional illustration;

projecting, into said solid, said three-dimensional illustration, said step of projecting said three-dimensional illustration further comprising assigning a depth of cut per pixel distributed across a selected machining area;

machining, in three-dimensional fashion, a three-dimensional surface within said solid corresponding to said illustration; and

shading said three-dimensional surface of said solid according to selected depths of machining.

2. (Currently Amended) The method as described in claim 1, further comprising the step of ~~surface~~ preparing the surface of said three-dimensional solid prior to machining.

3. (Original) The method as described in claim 1, further comprising the step of forming recessed surfaces on a non-machined surface of said solid.

4. (Original) The method as described in claim 1, further comprising the step of securing fastener receiving mounting studs to a non-machined surface.

5. (Currently Amended) The method as described in claim [[4]] 22, said step of securing studs further comprising welding incorporating a capacitor discharge arcing process.

6. (Original) The method as described in claim 1, said step of projecting said three-dimensional illustration further comprising assigning a depth of cut per pixel distributed across a selected machining area.

7. (Currently Amended) The method as described in claim [[3]] 21, further comprising the step of locating said solid upon a machining center platform according to a location of said recessed surfaces.

8. (Original) The method as described in claim 1, said step of machining further comprising machining a roughing cut in a first direction, and subsequently machining a finishing cut in a second direction.

9. (Original) The method as described in claim 1, said step of shading further comprising immersing said machined three-dimensional solid within an oxide bath.

10. (Original) The method as described in claim 9, further comprising the step of applying a neutralizing solution to said solid following said step of immersing.

11. (Original) The method as described in claim 10, said step of shading further comprising abrading said three-dimensional surface and in order to remove a darkened coating resulting from said oxide bath.

12. (Original) The method as described in claim 1, further comprising the step of environmentally coating said machined solid.

13. (Original) The method as described in claim 12, said step of coating further comprising applying a powderized and thermosetting acrylic urethane material.

14. (Original) The method as described in claim 13, further comprising the step of baking said powder coated solid in an oven.

15. (Original) The method as described in claim 1, said step of machining further comprising engraving said solid.

Claims 16-20 (Canceled)

21. (New) A method for creating a three-dimensional engraving, comprising the steps of:

providing a three-dimensional solid having a specified shape and size;

scanning, into a processor driven and numerically controlled machining center, data corresponding to a three-dimensional illustration;

projecting, into said solid, said three-dimensional illustration;
machining, in three-dimensional fashion, a three-dimensional surface within said solid corresponding to said illustration;
forming recessed surfaces on a non-machined surface of said solid; and
shading said three-dimensional surface of said solid according to selected depths of machining.

22. (New) A method for creating a three-dimensional engraving, comprising the steps of:

providing a three-dimensional solid having a specified shape and size;
scanning, into a processor driven and numerically controlled machining center, data corresponding to a three-dimensional illustration;
projecting, into said solid, said three-dimensional illustration;
machining, in three-dimensional fashion, a three-dimensional surface within said solid corresponding to said illustration;
securing fastener receiving mounting studs to a non-machined surface; and
shading said three-dimensional surface of said solid according to selected depths of machining.

23. (New) A method for creating a three-dimensional engraving, comprising the steps of:

providing a three-dimensional solid having a specified shape and size;

scanning, into a processor driven and numerically controlled machining center, data corresponding to a three-dimensional illustration;

projecting, into said solid, said three-dimensional illustration, said step of projecting said three-dimensional illustration further comprising assigning a depth of cut per pixel distributed across a selected machining area, said step of assigning a depth of cut per machining area further comprising assigning at least 200 pixels per square inch of area;

machining, in three-dimensional fashion, a three-dimensional surface within said solid corresponding to said illustration; and

shading said three-dimensional surface of said solid according to selected depths of machining.

24. (New) A method for creating a three-dimensional engraving, comprising the steps of:

providing a three-dimensional solid having a specified shape and size;

scanning, into a processor driven and numerically controlled machining center, data corresponding to a three-dimensional illustration;

projecting, into said solid, said three-dimensional illustration, said step of projecting said three-dimensional illustration further comprising assigning a depth of cut per pixel distributed across a selected machining area, said step of assigning a depth of cut further comprising establishing a scale of 0-255 projected into an intermediate location of said solid;

machining, in three-dimensional fashion, a three-dimensional surface within said solid corresponding to said illustration; and

shading said three-dimensional surface of said solid according to selected depths of machining.

25. (New) A solid exhibiting a three-dimensional engraved surface, according to the following steps:

scanning, into a processor driven and numerically controlled machining center, data corresponding to a three-dimensional illustration;

projecting, into said solid, said three-dimensional illustration according to a depth of cut per pixel distributed across a selected machining area;

machining, in three-dimensional fashion, a three-dimensional surface within said solid corresponding to said illustration, said step of machining further comprising at least machining a roughing cut in a first direction and subsequently machining a finishing cut in a second direction;

forming at least one recessed locating surface on a non-machined surface of said solid;

immersing said machined solid into an oxide bath;

abrading a darkened coating formed by said oxide bath upon said three-dimensional surface and in order to shade said solid according to individual depths of cut;

applying a powderized and plasticized material upon said solid; and

baking said powder coated solid in an oven and in order to thermoset said powderized material.

26. (New) A solid exhibiting a three-dimensional engraved surface, according to the following steps:

scanning, into a processor driven and numerically controlled machining center, data corresponding to a three-dimensional illustration;

projecting, into said solid, said three-dimensional illustration according to a depth of cut per pixel distributed across a selected machining area;

machining, in three-dimensional fashion, a three-dimensional surface within said solid corresponding to said illustration, said step of machining further comprising at least machining a roughing cut in a first direction and subsequently machining a finishing cut in a second direction;

securing fastener receiving mounting studs to a non-machined surface of said solid according to a capacitor discharge arc welding process;

immersing said machined solid into an oxide bath;

abrading a darkened coating formed by said oxide bath upon said three-dimensional surface and in order to shade said solid according to individual depths of cut;

applying a powderized and plasticized material upon said solid; and

baking said powder coated solid in an oven and in order to thermoset said powderized material.